



106-001US2 seq listing  
SEQUENCE LISTING

<110> Lee, Jong Y.

<120> PURIFIED HUMAN ERYTHROPOIETIN RECEPTOR PROTEIN FRAGMENT AND  
ANTIBODIES DERIVED THEREFROM

<130> 106.001US2

<140> US 09/016,159

<141> 1998-01-30

<150> US 08/876,227

<151> 1997-06-16

<160> 5

<170> PatentIn version 3.3

<210> 1

<211> 23

<212> DNA

<213> Artificial

<220>

<223> BamH1 linker at 5' end followed by sequence for amino acids 25  
through 29 of full length EpoR protein. Forward primer for SEQ  
ID NO:2.

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23

<210> 2

<211> 22

<212> DNA

<213> Artificial

<220>

<223> EcoR1 linker followed by sequence complementary to coding  
sequence for amino acids 226 through 222 of full length human  
EpoR protein. Reverse primer for SEQ ID NO:1.

<400> 2

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22

<210> 3

<211> 18

<212> DNA

<213> Homo sapiens

<300>

<301> Smith, D.B. et al.

<302> Single-step purification of polypeptides expressed in Escherichia  
coli as fusions with glutathione-S-transferase

<303> Gene

<304> 67

<306> 31-40

<307> 1998

<300>

<301> Smith, D.B. et al.

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<302> Single-step purification of polypeptides expressed in Escherichia  
coli as fusions with glutathione-S-transferase  
<303> Genes and Development  
<304> 67  
<306> 31-40  
<307> 1998

<400> 3  
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<210> 4  
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<213> Homo sapiens

<300>  
<301> Jones, S.S. et al.  
<302> Human Erythropoietin Receptor: Cloning, expression, and  
biological characterization  
<303> Blood  
<304> 76  
<305> 1  
<306> 31-35  
<307> 1990-07-01

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aagggttaact tccagctgtg gctgtaccag aatgatggct gcctgtggtg gagccctgc 960  
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cccagtgagg acctcccagg gcctgggtggc agtgtggaca tagtggccat ggtatgaaggc	1200
tcagaagcat ctcctgctc atctgctttg gcctcgaagc ccagcccaga gggagcctct	1260
gctgccagct ttgagtacac tattcctggac cccagctccc agctcttgcg tccatggaca	1320
ctgtgccctg agctgcccc taccccaccc cacctaaagt acctgtacct tgtggtatct	1380
gactctggca tctcaactga ctacagctca ggggactccc agggagccca agggggctta	1440
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&lt;210&gt; 5

&lt;211&gt; 508

&lt;212&gt; PRT

&lt;213&gt; Homo sapiens

&lt;300&gt;

&lt;301&gt; Jones, S.S. et al.

&lt;302&gt; Human Erythropoietin Receptor: Cloning, expression, and biological characterization

&lt;303&gt; Blood

&lt;304&gt; 76

&lt;305&gt; 1

&lt;306&gt; 31-35

&lt;307&gt; 1990-07-01

&lt;400&gt; 5

Met	Asp	His	Leu	Gly	Ala	Ser	Leu	Trp	Pro	Gln	Val	Gly	Ser	Leu	Cys
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Leu	Leu	Leu	Ala	Gly	Ala	Ala	Trp	Ala	Pro	Pro	Pro	Asn	Leu	Pro	Asp
			20				25					30			

Pro	Lys	Phe	Glu	Ser	Lys	Ala	Ala	Leu	Leu	Ala	Ala	Arg	Gly	Pro	Glu
	35				40							45			

Glu	Leu	Leu	Cys	Phe	Thr	Glu	Arg	Leu	Glu	Asp	Leu	Val	Cys	Phe	Trp
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Glu	Glu	Ala	Ala	Ser	Ala	Gly	Val	Gly	Pro	Gly	Asn	Tyr	Ser	Phe	Ser
65							70			75		80			

Tyr	Gln	Leu	Glu	Asp	Glu	Pro	Trp	Lys	Leu	Cys	Arg	Leu	His	Gln	Ala
			85				90					95			

Pro	Thr	Ala	Arg	Gly	Ala	Val	Arg	Phe	Trp	Cys	Ser	Leu	Pro	Thr	Ala
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Asp	Thr	Ser	Ser	Phe	Val	Pro	Leu	Glu	Leu	Arg	Val	Thr	Ala	Ala	Ser

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Gly Ala Pro Arg Tyr His Arg Val Ile His Ile Asn Glu Val Val Leu  
130                   135                   140

Leu Asp Ala Pro Val Gly Leu Val Ala Arg Leu Ala Asp Glu Ser Gly  
145                   150                   155                   160

His Val Val Leu Arg Trp Leu Pro Pro Pro Glu Thr Pro Met Thr Ser  
165                   170                   175

His Ile Arg Tyr Glu Val Asp Val Ser Ala Gly Asn Gly Ala Gly Ser  
180                   185                   190

Val Gln Arg Val Glu Ile Leu Glu Gly Arg Thr Glu Cys Val Leu Ser  
195                   200                   205

Asn Leu Arg Gly Arg Thr Arg Tyr Thr Phe Ala Val Arg Ala Arg Met  
210                   215                   220

Ala Glu Pro Ser Phe Gly Gly Phe Trp Ser Ala Trp Ser Glu Pro Val  
225                   230                   235                   240

Ser Leu Leu Thr Pro Ser Asp Leu Asp Pro Leu Ile Leu Thr Leu Ser  
245                   250                   255

Leu Ile Leu Val Val Ile Leu Val Leu Leu Thr Val Leu Ala Leu Leu  
260                   265                   270

Ser His Arg Arg Ala Leu Lys Gln Lys Ile Trp Pro Gly Ile Pro Ser  
275                   280                   285

Pro Glu Ser Glu Phe Glu Gly Leu Phe Thr Thr His Lys Gly Asn Phe  
290                   295                   300

Gln Leu Trp Leu Tyr Gln Asn Asp Gly Cys Leu Trp Trp Ser Pro Cys  
305                   310                   315                   320

Thr Pro Phe Thr Glu Asp Pro Pro Ala Ser Leu Glu Val Leu Ser Glu  
325                   330                   335

Arg Cys Trp Gly Thr Met Gln Ala Val Glu Pro Gly Thr Asp Asp Glu  
340                   345                   350

Gly Pro Leu Leu Glu Pro Val Gly Ser Glu His Ala Gln Asp Thr Tyr  
355                   360                   365

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Leu Val Leu Asp Lys Trp Leu Leu Pro Arg Asn Pro Pro Ser Glu Asp  
370 375 380

Leu Pro Gly Pro Gly Gly Ser Val Asp Ile Val Ala Met Asp Glu Gly  
385 390 395 400

Ser Glu Ala Ser Ser Cys Ser Ser Ala Leu Ala Ser Lys Pro Ser Pro  
405 410 415

Glu Gly Ala Ser Ala Ala Ser Phe Glu Tyr Thr Ile Leu Asp Pro Ser  
420 425 430

Ser Gln Leu Leu Arg Pro Trp Thr Leu Cys Pro Glu Leu Pro Pro Thr  
435 440 445

Pro Pro His Leu Lys Tyr Leu Tyr Leu Val Val Ser Asp Ser Gly Ile  
450 455 460

Ser Thr Asp Tyr Ser Ser Gly Asp Ser Gln Gly Ala Gln Gly Gly Leu  
465 470 475 480

Ser Asp Gly Pro Tyr Ser Asn Pro Tyr Glu Asn Ser Leu Ile Pro Ala  
485 490 495

Ala Glu Pro Leu Pro Pro Ser Tyr Val Ala Cys Ser  
500 505